

CLAIMS

1. A circuit for supplying oxygen to aircraft passengers, comprising, in a line (5) supplying oxygen 5 connected to a pressurized oxygen source (1), a servocontrolled pressure regulator (8) that can be actuated in response to a pressure control signal (10) supplied by an electronic control unit (9).

10 2. The circuit as claimed in claim 1, characterized in that it comprises a cabin pressure sensor (12) delivering an absolute pressure signal (11) to the electronic control unit (9) for the generation of said control signal (10) of the regulator (8).

15 3. The circuit as claimed in either of claims 1 and 2, characterized in that it comprises a line (16) bypassing the regulator (8) and provided with a safety solenoid valve (17).

20 4. The circuit as claimed in one of the preceding claims, characterized in that the oxygen supply line (5) comprises a downstream connection (15) to an oxygen therapy system.

25 5. The circuit as claimed in one of the preceding claims, characterized in that the oxygen source comprises at least one pressurized oxygen cylinder (1).